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An additional catalogue on type specimens of Lycaenidae (Lepidoptera) from South East Asia, preserved in Museum für Naturkunde der Humboldt-Universität zu Berlin

Yusuke TAKANAMI

25-11, Kyonan-cho 2 chome, Musashino-shi, Tokyo, 180 Japan

Abstract Lectotypes of Indo-Australian Lycaenidae preserved in Zoologisches Museum of Berlin are designated and figured.

Key words Lycaenidae, lectotype, Indo-Australian region, Staudinger collection, taxonomy.

I examined some type specimens of South East Asian Lycaenidae preserved in Museum für Naturkunde der Humboldt-Universität zu Berlin (Zoologisches Museum) (MNHU) in 1986. Its catalogue was published in this journal, with the same study on the specimens preserved in Staatliches Museum für Tierkunde, Dresden (Takanami, 1989). I had an opportunity of revisiting that museum in 1990, and examined some other types omitted in my previous catalogue. In this paper, I deal with the types of Lycaenidae, mainly from the collection of Staudinger.

I here designated and figured lectotypes for the type series of nominal taxa which have been left as syntypes. Some lectotypes were also designated under Recommendation 73F of the Code, when the name was established on one specimen. The labels of lectotypes are described. The / mark separates data on individual labels, and my notations are in square brackets or round brackets with the abbreviations: (h)=handwritten and (p)=printed. The current status for each taxon is shown in each text, with discussion in case of the nomenclatural modification.

Genus *Discolampa* Toxopeus, 1929

1. *Lycaena (Castalius) ulysses* Staudinger, 1889: 95, pl. 1, fig. 5 (♂)

Type locality: Palawan. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/Ulysses Stgr. (h)/Palaw. Pl. (p)/Lectotype (p) *Lycaena ulysses* Stgr, 1889 Takanami, 1990 (h) [pink]". Paralectotypes examined: 2 ♂ 1 ♀ from Palawan.

Currently considered to be a subspecies of *Discolampa ethion* Westwood, [1851] (H. Hayashi, 1981: 15).

Genus *Caleta* Fruhstorfer, [1922]

2. *Lycaena (Castalius) roxus* var. *angustior* Staudinger, 1889: 95.

Type locality: Palawan. Lectotype ♂ (genitalia fig. 24), here designated, labelled "Origin. (p) [pink]/var. *Angustior* Stgr. (h)/Palawan 88. Platen (p)/Genit. Unters. Nr. 5262 Zool. Mus. Berlin (p) [examined]/Lectotype (p) *Lycaena roxus* v. *angustior* ♂ Stgr, 1889 Takanami, 1990 (h) [pink]". Paralectotypes examined: 2 ♂ 1 ♀ from Palawan, 2 ♂ from Luzon.

The male genitalia (Fig. 24) are almost identical with *Caleta roxus* (Godart, [1824]), and may be placed in the subspecific status.

3. *Lycaena (Castalius) roxus* var. *celebensis* Staudinger, 1889 : 96.

Type locality : Sulawesi. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/v. Celebensis Stgr. (h)/Minahassa 86 Platen (h)/Genit. Unters. Nr. 5261 Zool. Mus. Berlin (p) [examined]/Lectotype (p) *Lycaena roxus* v. *celebensis* ♂ Stgr, 1889 Takanami, 1990 (h) [pink]". Paralectotypes examined : 2 ♂ from Sulawesi.

Currently considered to be a species of genus *Caleta*, which is endemic to Sulawesi (Takanami, 1989 : 61). I examined the genitalia of lectotype, and confirmed the status.

4. *Lycaena (Castalius) roxus* var. *cohaerens* Staudinger, 1889 : 96.

Type locality : Timor. Lectotype ♂ (genitalia fig. 25), here designated, labelled "Origin. (p) [pink]/v. Cohaerens Stgr. (h)/Timor 86 Pl. (h)/Genit. Unters. Nr. 5260 Zool. Mus. Berlin (p) [examined]/Lectotype (p) *Lycaena roxus* v. *cohaerens* ♂ Stgr, 1889 Takanami, 1990 (h) [pink]". Paralectotypes examined : 1 ♂ from Wetter, 1 ♂ and 1 ♂ (lost abdomen) from "Neu-Guinea".

Staudinger described this nominal taxon based on four specimens from various localities. I here select a male from Timor as lectotype of *cohaerens*. The genitalia (Fig. 25) show that the taxon belongs to *Caleta rhode* (Hopffer, 1874). But rather wide white transverse bands on the upperside wings of *cohaerens* let it retain its subspecific status (*Caleta rhode cohaerens*, **stat. n.**).

2 ♂ paralectotypes labelled "Origin. [pink]/N. Guin. Dep (h)", but I cannot find any records of the species from New Guinea, except for these Staudinger's specimens. The male genitalia have the same shape as those of *roxus*. They must be a case of mislabelling of the locality.

Genus *Una* de Nicéville, 1890

5. *Zizera ? usta* Distant, 1886a : 531.

Type locality : Malay Peninsula. Lectotype ♂, here designated, labelled "Zizera usta Dist. (Dist.) (h)/usta Dist. (h)/Malacca Eichhorn (p) 16/4 (h)/678 (h)/Lectotype (p) *Zizera usta* Distant, 1886 Takanami, 1990 (h) [pink]". There is no "Origin." label or indicant of the type, but it is clear in Distant (1886b : 454) that the specimen is unique type of *usta* preserved in Staudinger's collection.

Currently considered to be a species of the genus *Una* (de Nicéville, 1890 : 51).

Genus *Udara* Toxopeus, 1928

6. *Cyaniris dilectissima* H. H. Druce, 1895 : 571, pl. 32, figs. 2 (♂), 3 (♀).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/*Cyaniris dilectissima* ♂ Type H. H. Druce (h)/Kina Balu Watstr (p)/Lectotype (p) *Cyaniris dilectissima* H. H. Druce, 1895 Takanami, 1990 (h) [pink]". Paralectotype examined : 1 ♀ from Kinabalu.

Currently considered to be a species of genus *Udara* (Eliot & Kawazoé, 1983 : 114).

7. *Cyaniris placidula* H. H. Druce, 1895 : 572, pl. 32, figs. 6 (♂), 7 (♀).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/*Cyaniris placidula* ♂ Type H. H. Druce (h)/*Placidula* H. H. Druce *Cyaniris* (h)/Kina Balu Watstr. (p)/Coll. Staudinger (p)/Lectotype (p) *Cyaniris placidula* H. H. Druce, 1895 Takanami, 1990 (h) [pink]". Paralectotypes examined : 1 ♂ 1 ♀ from Kinabalu.

Currently considered to be a species of genus *Udara* (Eliot & Kawazoé, 1983 : 96).

8. *Cyaniris strophis* H. H. Druce, 1895 : 573, pl. 32, fig. 4 (♂).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/*Cyaniris strophis* ♂ Type H. H. Druce (h)/*Strophis* H. H. Druce *Cyaniris*/Kina Balu N. O. Borneo 92. Waterstr. (p)/Coll. Staudinger (p)/Lectotype (p) *Cyaniris strophis* H. H. Druce, 1895 Takanami, 1990 (h) [pink]".

Currently considered to be a subspecies of *Udara camenae* (de Nicéville, [1895]) (Eliot & Kawazoé, 1983 : 110).

9. *Cyaniris selma* H. H. Druce, 1895 : 573, pl. 32, fig. 10 (♂).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/*C. selma* ♂ Type H. H. Druce (h)/*Selma* H.H. Druce *Cyaniris* (h)/Kina Balu N. O. Borneo 93. Waterstr. (p)/Coll. Staudinger (p)/Lectotype (p) *Cyaniris selma* H.H. Druce, 1895 Takanami, 1990 (h) [pink]".

Currently considered to be a species of genus *Udara* (Eliot & Kawazoé, 1983 : 141).

Genus *Monodontides* Toxopeus, 192710. *Cyaniris lugra* H. H. Druce, 1895 : 573, pl. 32, fig. 5 (♂).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/*C. lugra* ♂ H. H. Druce. (h)/Kina Balu Watstr. (p)/Coll. Staudinger (p)/Lectotype (p) *Cyaniris lugra* H. H. Druce, 1895 Takanami, 1990 (h) [pink]".

Currently considered to be a subjective synonym of *Monodontides musina musina* (Snellen, 1892) (Eliot & Kawazoé, 1983 : 278).

Genus *Jamides* Hübner, [1819]11. *Lampides virgulatus* H. H. Druce, 1895 : 581, pl. 32, fig. 17 (♂).

Type locality : Borneo. Lectotype ♂, labelled "Origin. (p) [pink]/*Lampides virgulatus* ♂ Type H. H. Druce (h)/*Virgulatus* H. H. Druce *Lampides* (h)/Borneo 87 Wahn. (h)/*Lampides virgulatus* H. H. Druce (Type) Bisher einzig !? (h) [by Toxopeus]/Mus. Berlin (h)/Coll. Staudinger (p)/Lectotype (p) *Lampides virgulatus* H. H. Druce, 1895 Takanami, 1990 (h) [pink]". Lectotype was designated by Takanami (1991 : 39).

The name *virgulatus* was long used for a Bornean subspecies of *Jamides elipis* (Godart, [1824]), but the lectotype is the same taxon as *aditja* (Fruhstorfer, [1916]) which must be the same species as *cunilda* (Snellen, 1896).

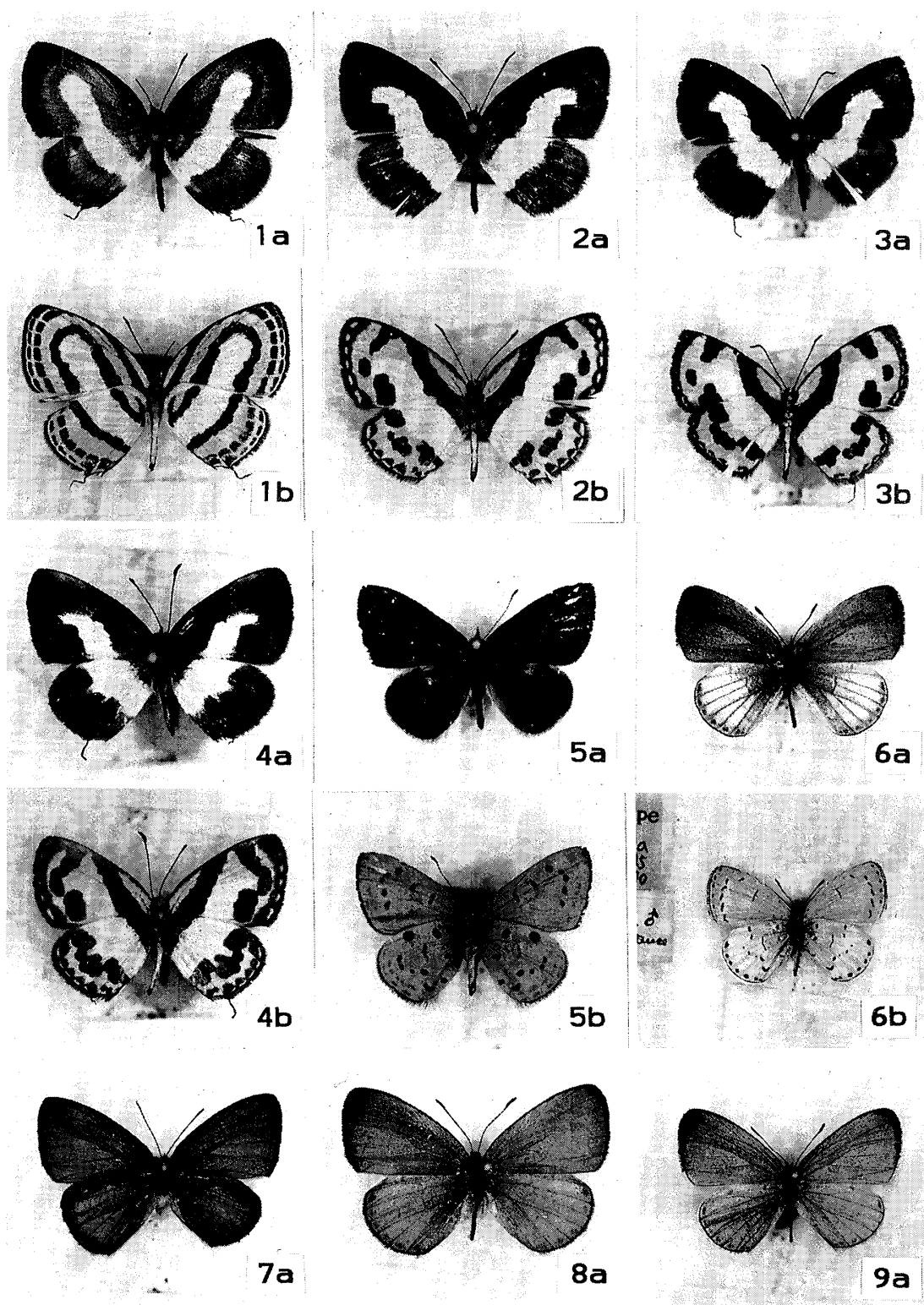
Genus *Nacaduba* Moore, [1881]12. *Lycaena berenice* Herrich-Schaeffer, 1869 : 74.

Type locality : E. Australia. Lectotype ♀, here designated, labelled "Origin. (p) [pink]/Coll. H.-Sch. (p) Rockhampton (h)/Lectotype (p) *Nacaduba berenice* (Herrich-Schaeffer, 1869) Takanami, 1990 (h) [pink]". Paralectotypes examined : 2 ♀ from Rockhampton are the same species as *Jamides phaseli* (Mathew, 1889). All the syntypes (3 ♀) were bearing the same labels, placed under a label of "Berenice H. Sch. (h)".

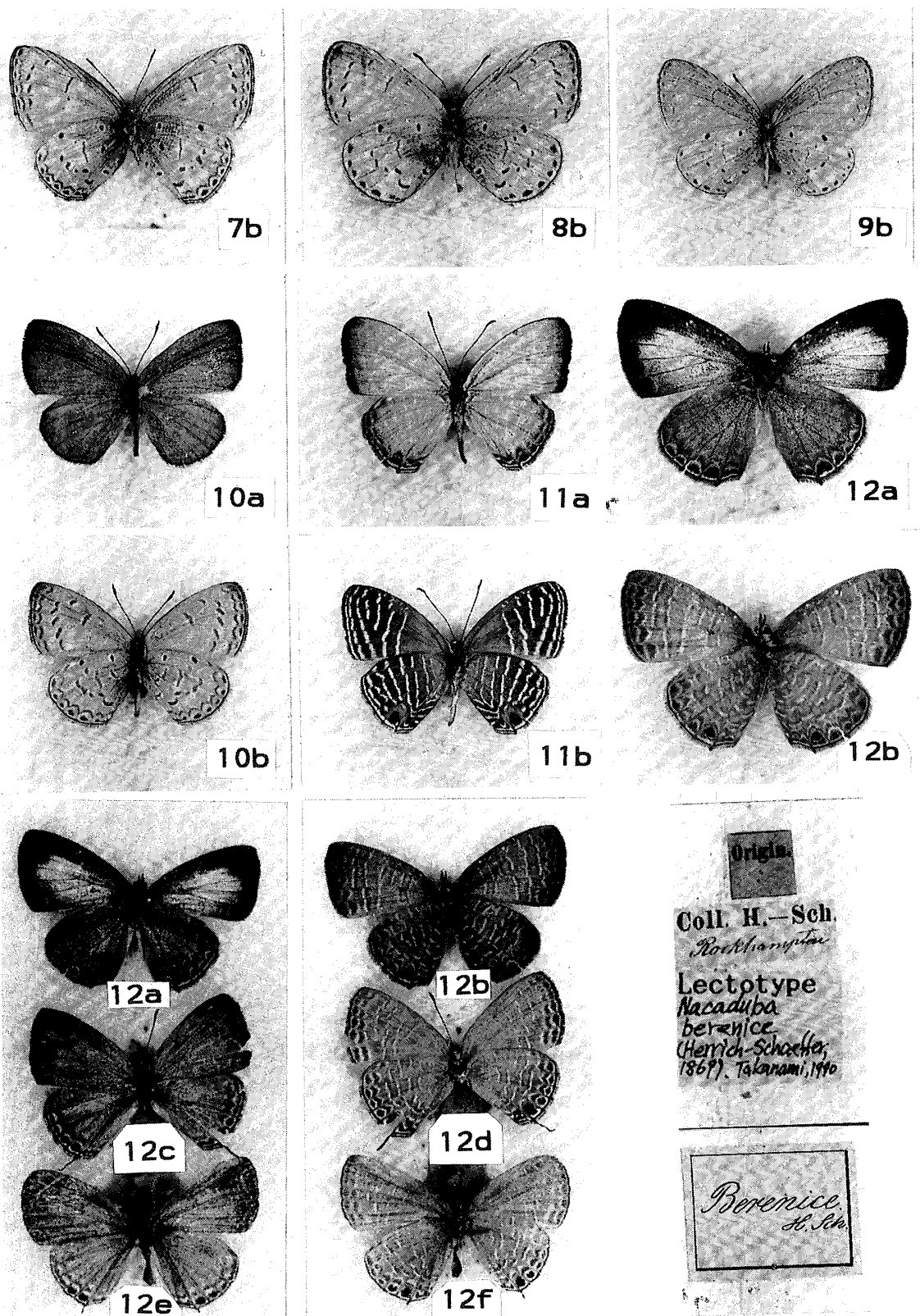
Currently considered to be a species of genus *Nacaduba* (Tite, 1963 : 78).

Genus *Tarucus* Moore, [1881]13. *Tarucus waterstradti* H. H. Druce, 1895 : 585, pl. 32, fig. 21 (♀).

Type locality : Borneo. Lectotype ♀, labelled "Origin. (p) [pink]/*Tarucus water-*



Figs. 1-12. Type specimens of Lycaenidae—a, c, e: Upperside; b, d, f: Underside. 1. *Lycaena ulysses*, ♂ lectotype; 2. *Lycaena roxus* var. *angustior*, ♂ lectotype; 3. *Lycaena roxus* var. *celebensis*, ♂ lectotype; 4. *Lycaena roxus* var. *cohaerens*, ♂ lectotype; 5. *Zizera usta*, ♂ lectotype; 6. *Cyaniris dilectissima*, ♂ lectotype; 7. *Cyaniris placidula*, ♂ lectotype; 8. *Cyaniris strophis*, ♂ lectotype; 9. *Cyaniris selma*, ♂ lectotype; 10. *Cyaniris lugra*, ♂ lectotype; 11. *Lampides virgulatus*, ♂ lectotype; 12a, b. *Lycaena berenice*, ♀ lectotype; 12c-f. *Lycaena berenice*, ♀ ♀ paralectotypes.



stradti ♀ Type H. H. Druce (h)/Waterstraditi H. H. Druce Tarucus (h)/Kina Balu N. O. Borneo 92. Waterstr. (p)/Coll. Staudinger (p)/Lectotype (p) Tarucus waterstradti H. H. Druce, 1895 Takanami, 1990 (h) [pink]". Lectotype was designated by Takanami (1991 : 21).

Genus *Niphanda* Moore, [1875]

14. *Niphanda reter* H. H. Druce, 1895 : 576, pl. 32, fig. 12 (♂).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/Niphanda reter ♂. Type H. H. Druce (h)/Kina Balu Watstr. (p)/Coll. Staudinger (p)/Lectotype (p) Niphanda reter H. H. Druce, 1895 Takanami, 1990 (h) [pink]".

Currently considered to be a subspecies of *Niphanda cymbia* de Nicéville, [1884] (Corbet, 1942 : 173).

Genus *Anthene* Doubleday, 1847

15. *Pseudodipsas modesta* Staudinger, 1889 : 104, pl. 1, figs. 6 (♂), 7 (♀).

Type locality : Palawan. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/Modesta Stgr. (h)/Palawan 88. Platen (p)/Lectotype (p) Pseudod. modesta Stgr, 1889 Takanami, 1990 (h) [pink]". Paralectotypes examined : 2 ♂ 3 ♀ from Palawan.

Currently considered to be a subspecies of *Anthene emolus* (Godart, [1824]) (Tite, 1966 : 259).

Genus *Cheritra* Moore, [1881]

16. *Cheritra freja* var. *ochracea* H. H. Druce, 1895 : 610.

Type locality : Borneo. Lectotype ♂, "Origin. (p) [pink]/Freja var. Ochracea H. H. Druce Cheritra (h)/Labuan Borneo sept. or. 1893 Waterstr (p)/Lectotype (p) Cheritra freja v. ochracea H. H. Druce, 1895 Takanami, 1990 (h) [pink]". Lectotype was designated by Takanami (1991 : 78). Paralectotype examined : 1 ♀ from Labuan.

Currently considered to be a subjective synonym of *Cheritra freja pallida* (H. Druce, 1873) (Takanami, 1991 : 78).

Genus *Horaga* Moore, [1881]

17. *Horaga bilineata* Semper, 1890 : 216.

Type locality : Mindanao. Lectotype ♀, here designated, labelled "Origin. (p) [pink]/Horaga bilineata Typ. Semper (h) [by Semper]/Mindanao Davao or. 1889. Platen (p)/Lectotype (p) Horaga bilineata Semper, 1890 Takanami, 1990 (h) [pink]".

Genus *Hypolycaena* C. & R. Felder, 1862

18. *Hypolycaena thecloides* var. *philippina* Staudinger, 1889 : 103.

Type locality : Palawan. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/var. Philippina Stgr (h)/Palawan 88. Platen (p)/Lectotype (p) Hypolycaena thecloides v. philippina Stgr, 1889 Takanami, 1990 (h) [pink]". Paralectotypes examined : 5 ♂ from Palawan.

Currently considered to be a subspecies of *Hypolycaena thecloides* (C. & R. Felder, 1860).

Genus *Jacoona* Distant, 1884

19. *Jacoona jusana* H. H. Druce, 1895 : 609, pl. 34, fig. 3 (♂).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/J. jusana ♂. co-type H. H. Druce (h)/Jacoona Jusana H. H. Druce (h)/Labuan Borneo Sept. or 1890. Waterstr (p)/Lectotype (p) Jacoona jusana H. H. Druce, 1895 Takanami, 1990 (h) [pink]". Paralectotype examined : 1 ♀ from Labuan.

Currently considered to be a subspecies of *Jacoona anasuja* (C. & R. Felder, [1865]) (Seki, 1991 : 90).

20. *Jacoona metasuja* H. H. Druce, 1895 : 609, pl. 34, fig. 4 (♂).

Type locality : Borneo. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/Jacoona metasuja ♂ Type H. H. Druce (h)/Jacoona Metasuja H. H. Druce (h)/Kina Balu Watstr. (p)/Jacoona metasuja H. H. Druce, 1895 Takanami, 1990 (h) [pink]". Paralectotype examined : 1 ♀ from Kinabalu.

Currently considered to be a subjective synonym of *Jacoona anasuja jusana* H. H. Druce, 1895 (Seki, 1991 : 90).

Genus *Rapala* Moore, [1881]

21. *Rapala alcetas* var. *alcetina* Semper, 1890 : 225.

Type locality : Mindanao. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/var. alcetina Typ. (h) [by Semper]/Alcetina Semp. (h)/Mindanao Davao or 1889. Platen. (p)/Lectotype (p) Rapala alcetas v. alcetina Semper, 1890 Takanami, 1990 (h) [pink]".

A form of *Rapala diopites* (Hewitson, 1869). The name is currently used for the subspecies (Takanami, 1986 : 187).

Genus *Araotes* Doherty, 1889

22. *Araotes perrhaebis* Semper, 1890 : 220.

Type locality : Mindanao. Lectotype ♂, here designated, labelled "Origin. (p) [pink]/araotes perrhaebis Typ. ♀ Semper (h) [by Semper]/Mindanao Davao or. 1889. Platen. (p)/Lectotype (p) Araotes perrhaebis Semper, 1890 Takanami, 1990 (h) [pink]".

Genus *Dacalana* Moore, 1884

23. *Dacalana sangirica* Fruhstorfer, [1912] : 270.

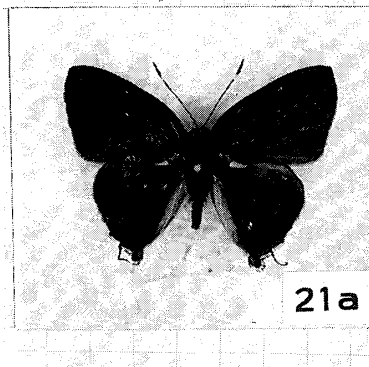
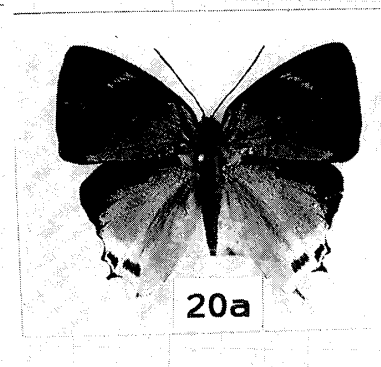
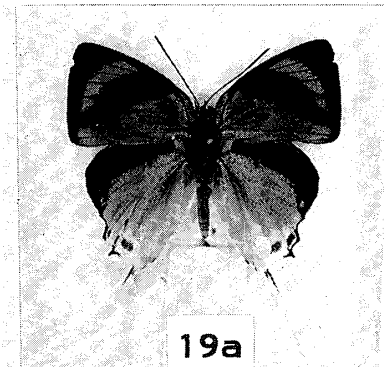
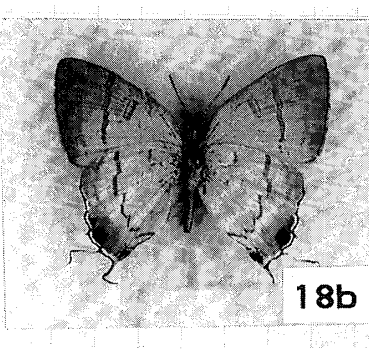
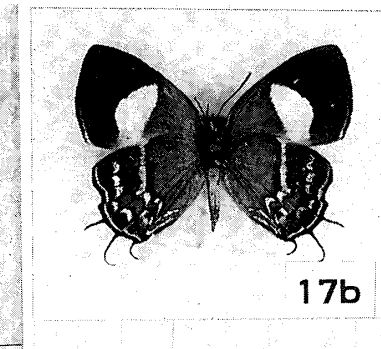
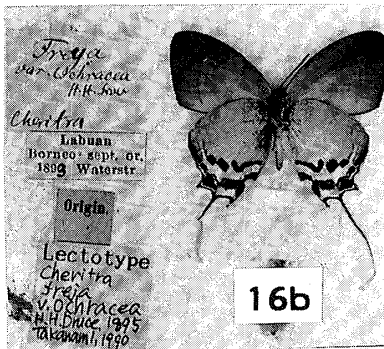
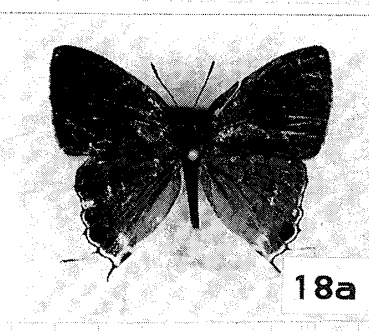
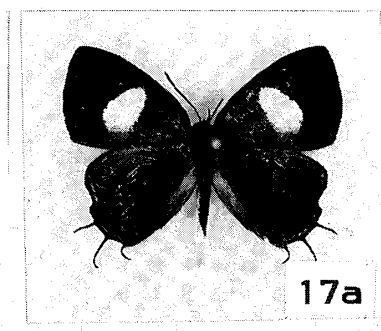
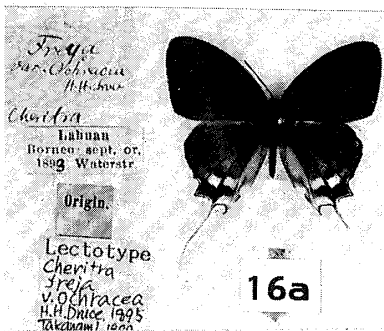
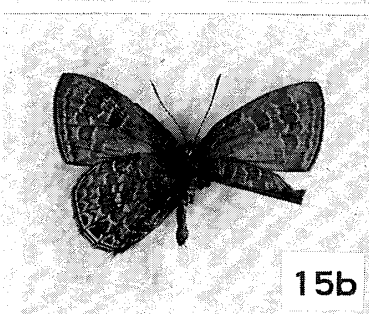
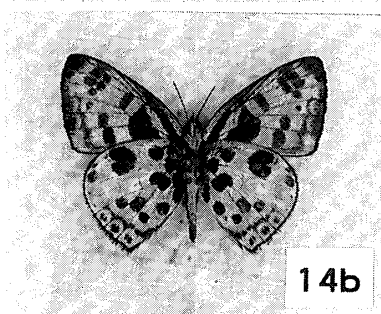
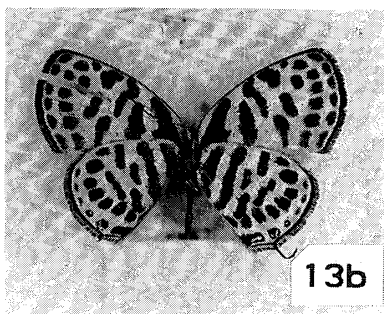
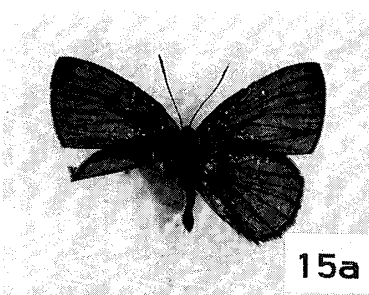
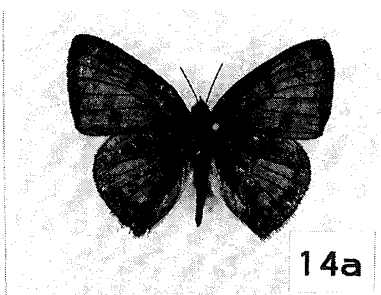
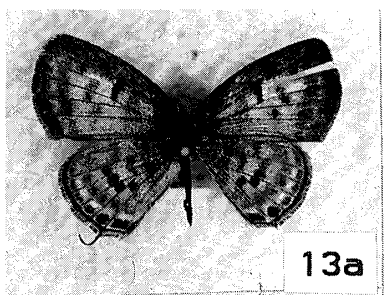
Type locality : Sangir. Lectotype ♂, here designated, labelled "Sangir 86 Pl.". Paralectotype examined : 1 ♂ labelled/Sang. Pl./99/. Fruhstorfer mentioned "Patria : Sangir. Type in der Coll. Staudinger des Zoologischen Museums Berlin".

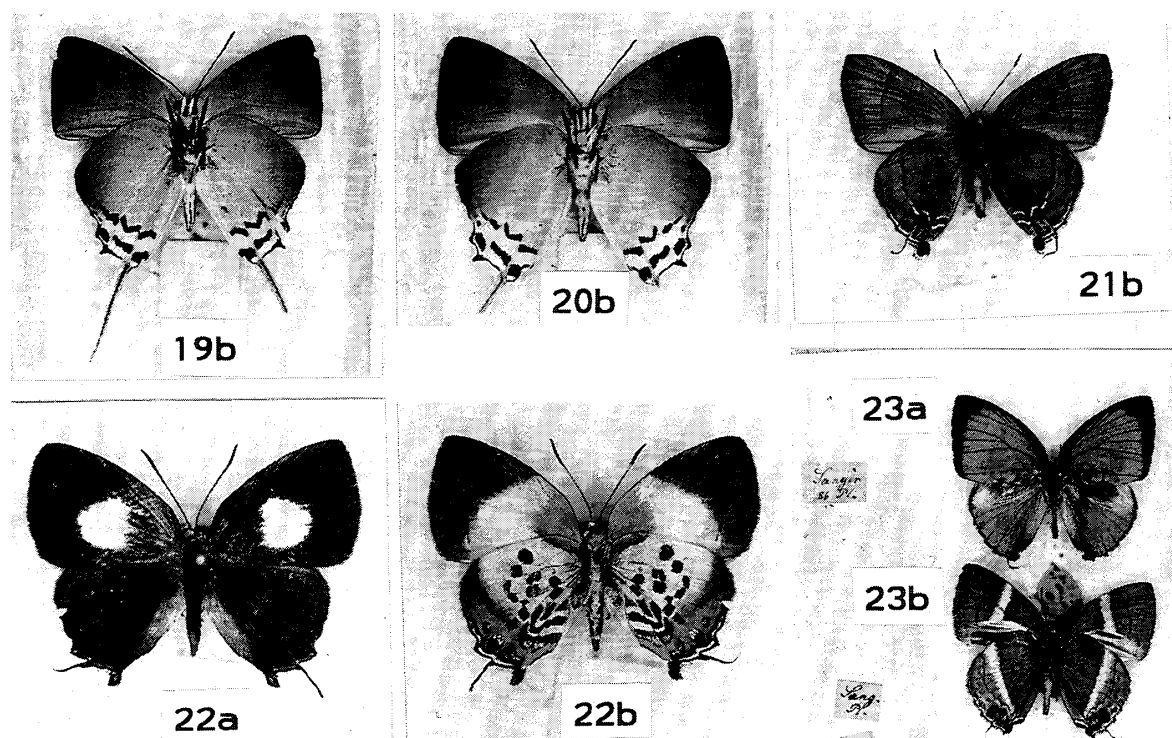
Appendix

A list of type specimens of South-east Asian Lycaenidae which should be found in the Staudinger Collection, except the taxa designated as lectotypes.

1. *Gerydus innocens* H. H. Druce, 1895 : 560, pl. 31, fig. 4 (♂). Syntypes ♂ ♀ [lost?], Kina balu, Borneo. Current status : A subspecies of *Miletus gaetulus* (de Nicéville) (Eliot, 1961 : 166).

2. *Gerydus gigas* H. H. Druce, 1895 : 559, pl. 31, fig. 3 (♂). Syntypes ♂ ♀ [lost?], Kina balu, Borneo. Current status : A subspecies of *Miletus ancon* (Doherty) (Eliot, 1961 : 171).





Figs. 13-23. Type specimens of Lycaenidae—a: Upperside; b: Underside. 13. *Tarucus waterstradti*, ♀ lectotype; 14. *Niphanda reter*, ♂ lectotype; 15. *Pseudodipsas modesta*, ♂ lectotype; 16. *Cheritira freja* var. *ochracea*, ♂ lectotype; 17. *Horaga bilineata*, ♀ lectotype; 18. *Hypolycaena thecloides* var. *philippina*, ♂ lectotype; 19. *Jacoona jusana*, ♂ lectotype; 20. *Jacoona metasuja*, ♂ lectotype; 21. *Rapala alcetas* var. *alcetina*, ♂ lectotype; 22. *Araotes perrhaebis*, ♀ lectotype; 23. *Dacalana sangirica*, a: ♂ lectotype; b: ♂ paralectotype.

3. *Paragerydus moorei* H. H. Druce, 1895 : 526, pl. 31, figs. 5 (♂), 6 (♀). Syntypes ♂ ♀ [lost?], Kina balu, Borneo. Current status: A synonym of *Allotinus unicolor unicolor* (C. & R. Felder) (Takanami, 1991 : 15).

4. *Allotinus punctatus* form *eretria* Fruhstorfer, 1916 : 814. Syntypes ♀ ♀ [lost?], Mindanao. Current status: A ♀ form of *Allotinus nigritus* (Semper) (Eliot, 1986 : 24).

5. *Paragerydus waterstradti* ab. *absens* H. H. Druce, 1895 : 562. Syntypes ♂ ♀ [lost?], Kina balu, Borneo. Current status: An aberrant form of *Allotinus portunus pyxus* (de Nicéville) (Eliot, 1986 : 30).

6. *Iraota timoleon ottonis* Fruhstorfer, 1907 : 156. Holotype? ♂ [lost?], Palawan. Fruhstorfer named for the specimen described in Staudinger (1889 : 120) as "*Deud. Rochana* Horsf. var. *Lazarena* Feld." Current status: A subspecies of *Iraota rochana* (Horsfield, [1829]) (Takanami, 1985a : 3).

7. *Amblypodia annetta* Staudinger, 1888 : 281, pl. 96 (♂). Syntypes ♂ ♂, Batjan. There is a male labelled/Origin. [pink] (p)/Batjan (Dr. Platen) 3-8.1882 (p)/, which must be a syntype.

8. *Amblypodia agesias* var. *kinabala* H. H. Druce, 1895 : 592. Syntypes sex ? [lost?], Kina balu, Borneo. Current status: A species of genus *Arhopala* (Seki, 1991 : 64).

9. *Arhopala viola* Bethune-Baker, 1903 : 51, pl. 1, fig. 7 (♂) & pl. 3, fig. 29 ("type ♀"), fig. 30 ("var. ♀"). Holotype ♀ [lost?], S. E. Mindanao. Current status: A secondary junior homonym of *Amblypodia viola* Röber, 1887. Considered to be the same species as *Arhopala alexandrae* (Schroeder & Treadaway, 1978) (Takanami, 1985b : 15).

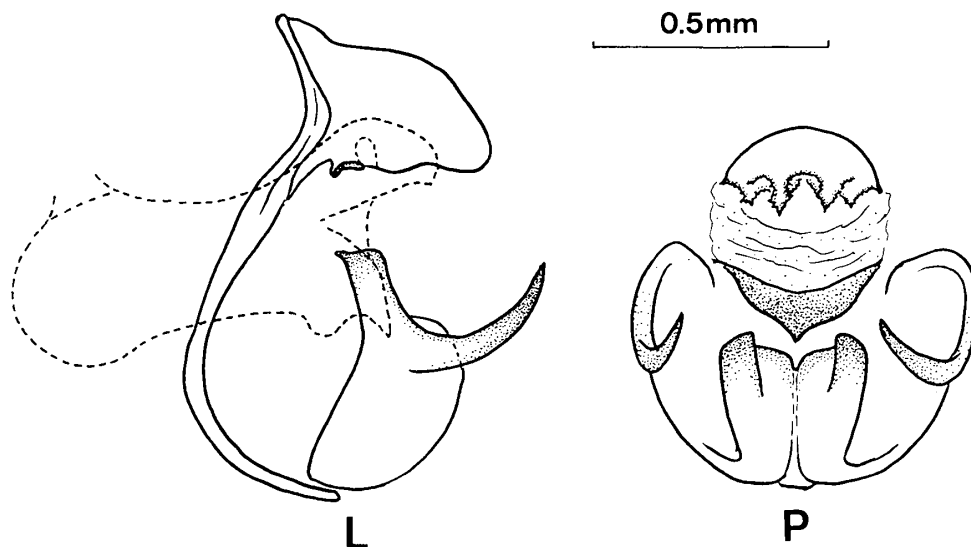


Fig. 24. ♂ genitalia of *Lycaena roxus* var. *angustior*. L: Lateral view as a whole; P: Postero-ventral view of valvae and phallus.

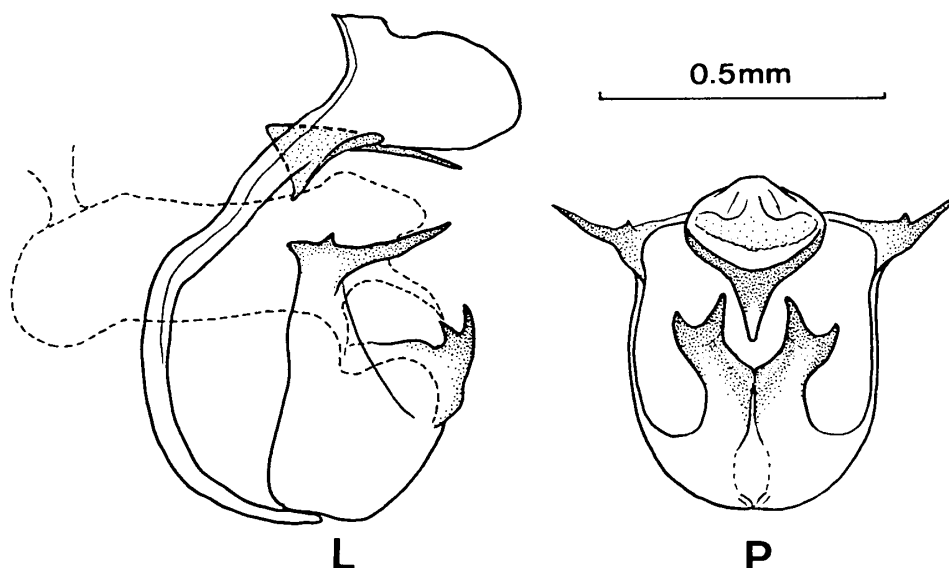


Fig. 25. ♂ genitalia of *Lycaena roxus* var. *cohaerens*. L: Lateral view as a whole; P: Postero-ventral view of valvae and phallus.

10. *Arhopala davaona* Semper, 1890: 204. Syntypes ♂ ♀, S. E. Mindanao. Two syntypes are present.

11. *Amblypodia pseudomuta* Staudinger, 1889: 125. Syntypes [lost?]: 3 ♂ 1 ♀ Malacca; 1 ♂ Borneo. Current status: A species of genus *Arhopala*.

12. *Amblypodia myrtale* Staudinger, 1889: 126, pl. 1, fig. 17 (♂) (nec fig. 16). Syntypes 4 ♂ 5 ♀ [lost?], Palawan. Current status: A subspecies of *Arhopala alitaeus* (Hewitson, 1862) (D'Abrera, 1986: 569).

13. *Horaga onyx joloana* Fruhstorfer, [1912]: 232. Holotype? ♂, Jolo I. The name was based on the description of Staudinger (1889: 113). Current status: A subspecies of *Horaga syrinx* (C. Felder, 1860) (Cowan, 1966: 122).

14. *Hypolycaena erylus georgius* Fruhstorfer, [1912]: 239. Holotype? ♀, Sulu Is. The name was based on the description of Staudinger (1889: 103).

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References

- Bethune-Baker, G. T., 1903. A revision of the *Amblypodia* group of butterflies of the family Lycaenidae. *Trans. zool. Soc. Lond.* **17**: 1-165, 5 pls.
- Common, I. F. B. & D. F. Waterhouse, 1981. *Butterflies of Australia*. Revised edn. 14+682 pp., 47 pls.
- Corbet, A. S., 1942. Miscellaneous notes on the butterflies of the Malay Archipelago. *Entomologist* **75**: 172-174.
- Cowan, C. F., 1966. Indo-Oriental Horagini. *Bull. Br. Mus. nat. Hist. (Ent.)* **18**: 103-141, pls. 1-3.
- , 1967. The Indo-Oriental tribe Cheritrini. *Ibid.* **20**: 77-103, pls. 1-4.
- D'Abrera, B., 1971. *Butterflies of the Australian Region*. 415 pp. Melbourne.
- , 1986. *Butterflies of the Oriental Region* **3**. i-xv, 535-672. Melbourne.
- De Nicéville, L., 1890. *The Butterflies of India, Burmah and Ceylon* **3**. xii+503 pp., pls. 25-29. Calcutta.
- Distant, W. L., 1886a. Contributions to a knowledge of Malayan Entomology. Part V. *Ann. Mag. nat. Hist.* (5) **17**: 530-532.
- , 1886b. In 1882-86. *Rhopalocera Malayana*. xvi+482+4 pp., pls. 1-44. London & Penang.
- Druce, H. H., 1895. A monograph of the Bornean Lycaenidae. *Proc. zool. Soc. Lond.* **1895**: 556-627, pls. 31-34.
- , 1896. Further contributions to our knowledge of the Bornean Lycaenidae. *Ibid.* **1896**: 650-683, pls. 29-31.
- Eliot, J. N., 1961. An analysis of the genus *Miletus* (Hübner). *Bull. Raffles Mus.* **26**: 154-177.
- Eliot, J. N. and A. Kawazoë, 1983. *Blue Butterflies of the Lycaenopsis Group*. 309 pp. London.
- Evans, W. H., 1957. A revision of the *Arhopala* group of the Oriental Lycaenidae. *Bull. Br. Mus. nat. Hist. (Ent.)* **5**: 85-141.
- Fruhstorfer, H., 1907. Neue Indo-australische Lycaeniden. *Ent. Z.* **21**: 156.
- , 1912. Uebersicht der Lycaeniden des Indo-Australischen Gebiets. *Berl. ent. Z.* **56** (1911): 197-272.
- Hayashi, H., 1981. Lycaenid butterflies of the Philippines (7). *Gekkan-Mushi* **128**: 13-17 (In Japanese).
- Seitz, A., 1924-1927. In Seitz, A. *The Macrolepidoptera of the World* **9**: 903-1026. Stuttgart.
- Seki, Y., 1991. Lycaenidae (part). In Otsuka, K. (ed.), *Butterflies of Borneo* **2** (1): iv, 1-9, 61-90, 108-122, 139 (in Japanese text); v, 1-8, 47-71, 82-92, 103 (in English text), pls. 1-8, 29-44, 56-62, [69], [71].
- Semper, G., 1886-92. *Die Schmetterlinge der Philippinischen Inseln* **1**. Tagfalter. 380+14 pp., 49+2 pls. Wiesbaden.
- Staudinger, O., 1888. In Staudinger, O. and E. Schatz, 1884-88. *Exotische Schmetterlinge* **1**. Exotische Tagfalter, [6]+333 pp., [4] pp.+100 pls. Fürth.
- , 1889. Lepidopteren der Insel Palawan. *Dt. ent. Z. Iris* **2**: 3-180, pls. 1-2.
- Takanami, Y., 1985a. A revisional note on genus *Iraota* of the Philippines and Celebes. *Tokurana Special* **1**: 1-12.
- , 1985b. A new species of genus *Arhopala* and some other species from the Philippines. *Chô Chô* **8** (8): 14-20.
- , 1986. Designation of Lectotype of *Deudorix diopites* Hewitson from the Philippines, with new status of *Rapala alcetas* (Staudinger). *Tyô Ga* **36**: 185-189.
- , 1989. On some type species of Lycaenidae from South East Asia. *Ibid.* **40**: 23-80.
- , 1991. Lycaenidae (part). In Otsuka, K. (ed.), *Butterflies of Borneo* **2** (1): v, 10-61, 90-108, 123-135 (in Japanese text); v. 9-47, 71-81, 92-101 (in English text), pls. 8-28, 45-55, 63-68, [69-70].
- Tite, G. E., 1963. A synonymic list of the genus *Nacaduba* and allied genera (Lepidoptera: Lycaenidae).

Bull. Br. Mus. nat. Hist. (Ent.) 13: 69-116, pls. 1-2.

———, 1966. A revision of the genus *Anthene* from the Oriental region. *Ibid.* 18: 255-275, pls. 1-2.

Corrections to previous catalogue in *Tyô to Ga* 40 (1): 23-80.

P. 30. 51. *Sithon moorei* var. *niasica* Staudinger. The type locality is Nias, not "Palawan".

P. 30. 54. *Marmessus rufotaenia* Fruhstorfer. The sex of holotype is confirmed as ♂.

P. 32. 67. *Neocheritra gama* Distant. The sex of holotype is not ♀ but ♂, though it was mentioned as ♀ in Distant's original description.

摘 要

ベルリン・フンボルト大学付属自然博物館所蔵の東南アジア産シジミチョウ模式標本（続報）
（高波雄介）

1986年、筆者はベルリン・フンボルト大学付属自然博物館に所蔵される東南アジアのシジミチョウの模式標本を調査する機会に恵まれ、いくつかの後模式の指定を行った（蝶と蛾, Vol. 40, No. 1）。1990年同博物館を再訪し前回の補填調査を行い、それに基づき今回新たに後模式を追加指定した。このうちの主だった新発見は次の通り。なお、学名の取り扱いを変更すべき一部タクサには、出版の事情により別の刊行物（Takanami, 1991）で既に後模式指定されたものがある。

Caleta celebensis (Staudinger, 1889) は既に前報で指摘した通り、*Caleta roxus* (Godart, [1824]) とは別種と考えられる。今回その後模式指定を行い、♂交尾器を確認した。本種は今のところスラウェシ島のみから知られる。

Caleta rhode cohaerens (Staudinger, 1889), **stat. n.** は異なる産地の4個体、具体的には2♂(?) "Neu-Guinea", 1♂ "Wetter", 1♂ "Timor" に基づき記載された。これまで *C. roxus* の亜種と考えられていたが、今回その中のチモール産を後模式に指定することにより、♂交尾器の特徴から *Caleta rhode* (Hopffer, 1874) の亜種に位置づけた。本種は基産地のスラウェシ島のほか小スンダ列島に分布し、Fruhstorfer (1918) によるロンボック島などの *odon*, スンパワ島の *xisana*, Heron (1894) によるダマール島の *austini* も恐らく本種に含まれるものと推測される。また副後模式となる残りの3個体のうち、"ニューギニア" 産の1♂の交尾器はパラワン産などの *C. roxus angustior* と全く区別がつかず、同地からの記録もその後皆無で、単に産地の誤認と考えられる。

Jamides virgulatus (H. H. Druce, 1895) の模式標本（恐らく単一個体）は、Toxopeus が研究用に集めた *Jamides* 箱の中に今回発見された。本種の名はこれまで *Jamides elpis* (Godart, [1824]) のボルネオ亜種に対して使用されていたが、実は *aditja* (Fruhstorfer, [1916]) と同一のタクソンのジャワ産の *cunilda* (Snellen, 1896) と同種と考えられる。記載年の関係から *virgulatus* が、今後種名として使用されることになる。なお、後模式の指定は既に「ボルネオの蝶, Vol. 2, No. 1」(1991)で行った。

Nacaduba berenice berenice (Herrich-Schaeffer, 1869) の模式系列標本と考えられる3♀のうち、2♀は *Jamides phaseli* (Mathew, 1889) と同種と考えられるが、残りの1♀は現在の取り扱いの通りの *berenice* で、これを後模式とした。

さらに、東南アジア島嶼部から知られるシジミチョウのタクサで、その模式標本が Staudinger のコレクションに含まれていると考えられ、これまでに発見できなかったものについて一覧に記した。その大部分は恐らく戦災で滅失したものと推測されるが、筆者の見落としや、あるいは今回の *Jamides virgulatus* のように意外なところから発見されるものもあるかもしれない。また、都合により総模式の確認までにとどめたタクサについても一覧に加えた。

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